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› [Goodman GLXS4BA2410 Condenser and CAPTA2422B3 Vertical Coil AC System User Manual](#)

Goodman GLXS4BA2410CAPTA2422B3

Goodman GLXS4BA2410 Condenser and CAPTA2422B3 Vertical Coil AC System User Manual

Model: GLXS4BA2410CAPTA2422B3

1. PRODUCT OVERVIEW

This manual provides essential information for the Goodman 2 Ton 14.3 SEER2 AC Only System, comprising the GLXS4BA2410 condenser and CAPTA2422B3 vertical coil. This system is designed to provide efficient cooling for your home. Please note that this is not a complete system and requires a separate furnace or modular blower for full functionality. Proper installation by a qualified HVAC professional is crucial for safe and optimal performance.

Goodman

GLXS4BA2410, CAPTA2422B3



Tonnage

2

Efficiency

14.3 SEER2

Type

AC Only

Region

Nationwide

Flow

Vertical

AHRI

215213886

AHRI CERTIFIED®
www.ahridirectory.org

10 PARTS
YEAR LIMITED
WARRANTY*

R32

This is not a complete system, blower or furnace required
Please contact us if you have questions

Image 1: Goodman GLXS4BA2410 Condenser and CAPTA2422B3 Vertical Coil AC System. This image shows both the outdoor condenser unit and the indoor vertical coil.

2. SAFETY INFORMATION

WARNING: Installation and servicing of air conditioning equipment can be hazardous due to system pressure, electrical components, and sharp edges. Only trained and qualified personnel should install, repair, or service this equipment.

- Always disconnect power before servicing.
- This system uses R-32 refrigerant, which is mildly flammable. An R-32 leak detection system is required

for safe operation, particularly when used with a furnace.

- Ensure proper ventilation during installation and servicing.
- Wear appropriate personal protective equipment (PPE) including gloves and eye protection.
- Refer to all local and national safety codes and regulations.

3. PRODUCT COMPONENTS

3.1. GLXS4BA2410 Air Conditioner Condenser



The image displays a Goodman GLXS4BA2410 Air Conditioner Condenser, a black, cylindrical outdoor unit with a fan on top and a Goodman logo on the front. The unit is surrounded by a blue and white graphic design. To the right of the unit, a list of specifications is provided in blue rounded rectangles. At the bottom left, there are logos for AHRI Certified, a 10-year parts limited warranty, and R32 refrigerant.

Specification	Value
Tonnage	2
Efficiency	14.3 SEER2
Type	AC Only
Dimensions	26 x 26 x 27
Weight	117
Lineset	3/8" x 3/4"

Goodman
GLXS4BA2410

Tonnage
2

Efficiency
14.3 SEER2

Type
AC Only

Dimensions
26 x 26 x 27

Weight
117

Lineset
3/8" x 3/4"

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10 YEAR PARTS LIMITED WARRANTY*

R32

Image 2: Goodman GLXS4BA2410 Air Conditioner Condenser. This is the outdoor unit responsible for releasing heat from

your home.

The GLXS4BA2410 is a 2 Ton, 14.3 SEER2 single-stage AC condenser. It features service valves, gauge ports, and inspection points for ease of maintenance. The unit is pre-charged for 15 feet of tubing and includes a factory-installed filter drier for cleaner operation.

3.2. CAPTA2422B3 Vertical Coil

Goodman
CAPTA2422B3

Tonnage
1.5 - 2.0

Connections
3/8" x 3/4"

Dimensions
17.5 x 21 x 22

Weight
40

Orientation
Vertical

10 PARTS
YEAR LIMITED
WARRANTY*

R32

Image 3: Goodman CAPTA2422B3 Vertical Coil. This indoor coil works with your furnace or air handler to cool the air.

The CAPTA2422B3 is a vertical coil designed for optimal airflow and heat transfer. Constructed with corrosion-resistant aluminum and featuring grooved tubing, it undergoes rigorous helium pressure tests to

ensure quality and durability. This coil is intended to be paired with a furnace or modular blower.

4. INSTALLATION GUIDELINES

Installation of this Goodman AC system must be performed by a qualified HVAC technician. Incorrect installation can lead to system malfunction, safety hazards, and void the product warranty.

- Ensure the GLXS4BA2410 condenser and CAPTA2422B3 coil are compatible with your existing or new furnace/blower.
- Proper sizing of the system to your home's cooling load is essential for efficiency and comfort.
- The R-32 refrigerant requires specific tools and procedures for handling and charging.
- An R-32 leak detection system must be installed, especially when the system is paired with a furnace, to ensure safety.
- Follow all manufacturer's instructions and local building codes.

4.1. Condenser and Coil Combination

For detailed information regarding the combination of condenser and coil, please watch the following video:

Your browser does not support the video tag.

Video 1: Condenser with Coil Combination. This video explains important considerations when pairing a condenser with a coil.

4.2. Understanding Your System Type

To ensure proper installation and compatibility, it is important to understand the type of HVAC system you have. The following video provides an overview of different system types:

Your browser does not support the video tag.

Video 2: What type of system do you have? This video helps identify common HVAC system configurations.

5. OPERATING INSTRUCTIONS

Once installed by a qualified technician, your Goodman AC system will operate automatically based on your thermostat settings. For optimal performance:

- Set your thermostat to your desired cooling temperature.
- Avoid frequently adjusting the thermostat, as this can reduce efficiency.
- Ensure all vents are open and unobstructed for proper airflow.
- Keep windows and doors closed while the system is operating.

6. MAINTENANCE

Regular maintenance is essential for the longevity and efficiency of your AC system. It is recommended to have your system inspected and serviced annually by a qualified HVAC technician.

- **Filter Replacement:** Check and replace your air filter monthly, or as recommended by your technician, to ensure proper airflow and indoor air quality.
- **Outdoor Unit Cleaning:** Keep the area around the outdoor condenser unit clear of debris, leaves, and vegetation to prevent airflow obstruction.
- **Coil Cleaning:** The indoor and outdoor coils should be professionally cleaned periodically to maintain

heat transfer efficiency.

- **Drain Line Check:** Ensure the condensate drain line is clear and free of blockages to prevent water overflow.

7. TROUBLESHOOTING

If you experience issues with your AC system, consider the following basic troubleshooting steps before contacting a technician:

- **No Cooling:** Check your thermostat settings to ensure it's set to 'Cool' and the temperature is below the current room temperature. Verify that the circuit breaker for the HVAC system has not tripped.
- **Weak Airflow:** Check and replace the air filter if it's dirty. Ensure all supply and return vents are open.
- **Unusual Noises:** Strange noises can indicate a mechanical issue. Turn off the system and contact a qualified technician.
- **System Not Turning On:** Check the thermostat for power and correct settings. Inspect the outdoor unit for any visible damage or obstructions.

For any persistent issues or complex problems, always contact a qualified HVAC professional.

8. SPECIFICATIONS

Feature	Detail
Brand	Goodman
Model Number	GLXS4BA2410CAPTA2422B3
Capacity	2 Tons
Cooling Power	24000 British Thermal Units
Seasonal Energy Efficiency Ratio (SEER2)	14.3
Refrigerant Type	R-32
Coil Type	Vertical
Color	Architectural Gray
Item Weight	197 pounds
AHRI Certified	Yes, Certificate Number 215213886

8.1. Energy Efficiency Rating

U.S. Government

Federal law prohibits removal of this label before consumer purchase.

ENERGYGUIDE

Central Air Conditioner
Cooling Only
Split System

GOODMAN
Model GLXS4BA2410A*



Efficiency Rating (SEER 2)**

14.30*



13.8
Least Efficient

27.0
Most Efficient

Range of Similar Models

** Seasonal Energy Efficiency Ratio 2

For energy cost info, visit
productinfo.energy.gov

* Your air conditioner's efficiency rating may be better depending on the coil your contractor installs.

Notice

Federal law allow this unit to be installed in all U.S. states and territories.

Energy Efficiency Ratio 2 (EER2): The installed system's minimum EER2 is 11.70.

Image 4: EnergyGuide Label. This label indicates the efficiency rating of the GLXS4BA2410 condenser.

8.2. SEER2 Regulations

The Seasonal Energy Efficiency Ratio 2 (SEER2) is a new standard for measuring the energy efficiency of air conditioning systems. The following video provides important information about these regulations:

Your browser does not support the video tag.

Video 3: SEER2 Regulations - 01. This video explains the updated energy efficiency standards for HVAC equipment.

8.3. R-32 Refrigerant Information

This system utilizes R-32 refrigerant. It is important to understand the characteristics and regulations surrounding this refrigerant. The following videos offer insights into R-32:

Your browser does not support the video tag.

Video 4: R-32 Fact vs Fiction. This video clarifies common misconceptions about R-32 refrigerant.

Your browser does not support the video tag.

Video 5: Info about the refrigerant regulations. This video provides details on current refrigerant regulations affecting HVAC systems.

9. WARRANTY INFORMATION

This Goodman AC system comes with a **10-year parts limited warranty**. To qualify for the full warranty, the system must be installed by a qualified installer and registered online within 60 days of installation. Online registration is not required in California.



Image 5: 10 Year Limited Warranty Shield. This emblem signifies the product's warranty coverage.

For complete warranty details and terms, please contact Goodman customer support or your qualified installer.

10. SUPPORT & CONTACT

For technical assistance, service, or warranty inquiries, please contact your installing HVAC professional. They are best equipped to diagnose and resolve any issues with your Goodman AC system. You may also visit the official Goodman website for additional product information and support resources.